

Example #2: If a current of 5.0 A flows for 20 minutes, what charge was transferred?

$$20 \text{ minutes} \times \frac{60 \text{ s}}{1 \text{ min}} = 1200 \text{ s.}$$

$$I = \frac{q}{t} \Rightarrow q = 5.0(1200)$$

$$q = 6.0 \times 10^3 \text{ C}$$